

두경부 T 세포 림프종 환자에서 발생한 진행성 다초점성 백질뇌병증 - 증례보고 -

신동아 · 장종희 · 장진우 · 박용구 · 김태승* · 정상섭

= Abstract =

Progressive Multifocal Leukoencephalopathy in a Patient with T Cell Lymphoma of Head and Neck - A Case Report -

Dong Ah Shin, M.D., Jong Hee Chang, M.D., Jin Woo Chang, M.D.,
Yong Gou Park, M.D., Tai Seung Kim, M.D.,* Sang Sup Chung, M.D.

Department of Neurosurgery, Brain Research Institute, Pathology,* Yonsei University
College of Medicine, Seoul, Korea

Progressive multifocal leukoencephalopathy(PML) is a fatal demyelinating disease that occurs in immunocompromised hosts. We report a case of PML that developed in patient with T cell lymphoma of head and neck. During chemotherapy for lymphoma, she was confused and had memory impairment. A magnetic resonance imaging of the brain revealed confluent signal change at white matter of the frontal lobe, insula, and anterior limb and genu of internal capsule. The lesion was confirmed with brain biopsy and the histopathological finding was compatible with PML.

KEY WORDS : Progressive multifocal leukoencephalopathy(PML) · Brain biopsy · Demyelination · Immune deficiency · Lymphoma · JC virus.

가
서 론
(acquired immune deficiency syndrome, AIDS)
(progressive multifocal leukoencephalopathy, PML)
P - ML
10
가
(stereotactic brain biopsy), PCR
3 6
1 - 3)5)6)9)
55 85%
papova
JC 가
PML

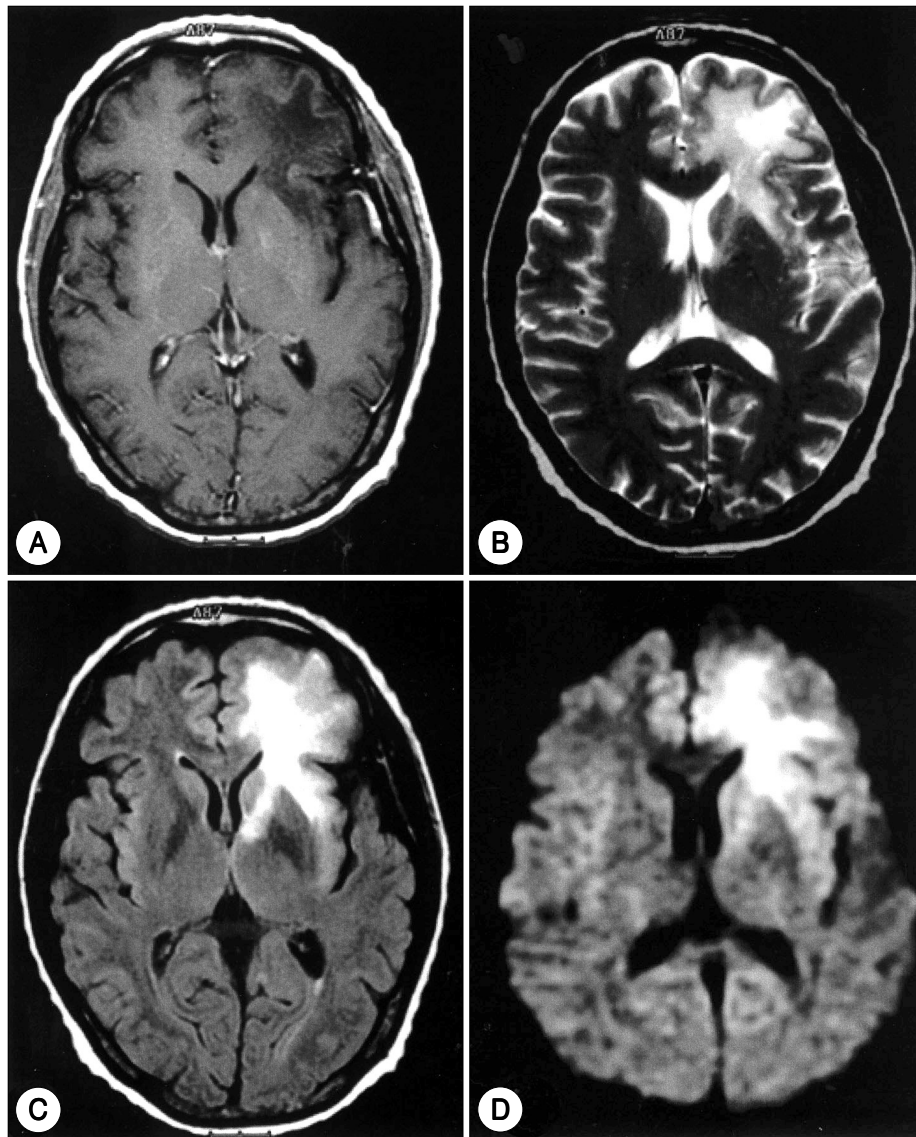


Fig. 2. Follow-up brain MRI(8 days before brain biopsy) showing non-enhanced, hypointense, diffuse lesion involving white matter of left frontal lobe, insula, and anterior limb and genu of internal capsule in T1WI (A). In T2WI (B), FLAIR (C), and DWI (D), the lesion is hyperintense without mass effect and the gray matter is spared.

Cowdry type A inclusion)가 , 2 가 . Interfe-
 (Fig. 3A). (Luxol ronalpha(300 U, daily, subcutaneous) 2
 Fast Blue) 가 가 . 5
 (Fig. 3B). 가 가 가
 (30 40mm)
 가 papova 고 찰
 (Fig. 4).
 : PML , cytarabine antiretroviral PML JC 가
 therapy(100mg, daily for 5 days) acyclovir(500 가
 mg, daily for 2 weeks), steroid therapy 5 ,

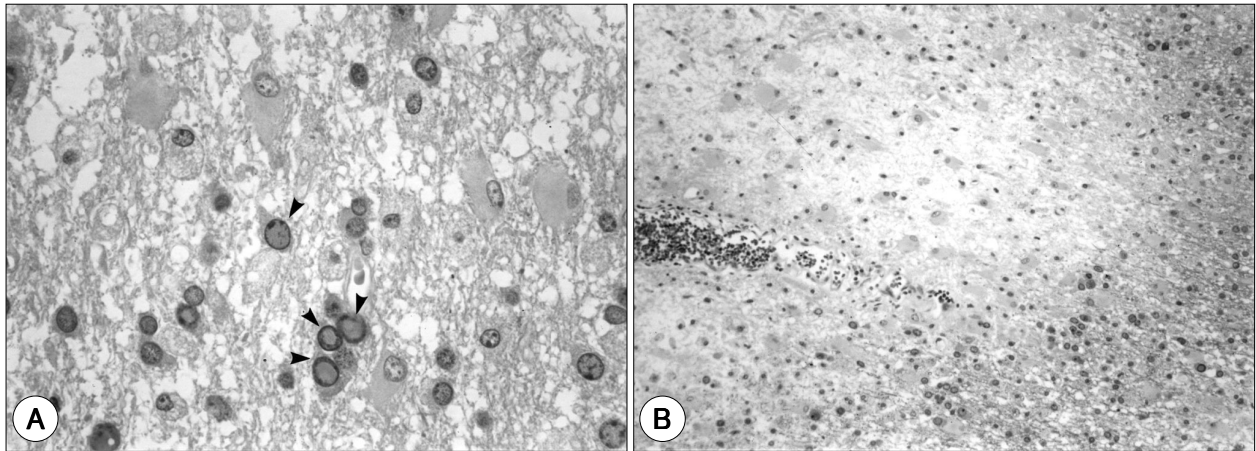


Fig. 3. A : Enlarged oligodendroglial nuclei with intranuclear inclusions (arrowhead) and a few hypertrophic reactive astrocytes ($\times 400$, H & E). B : Focal demyelination ($\times 200$, Luxol Fast Blue).

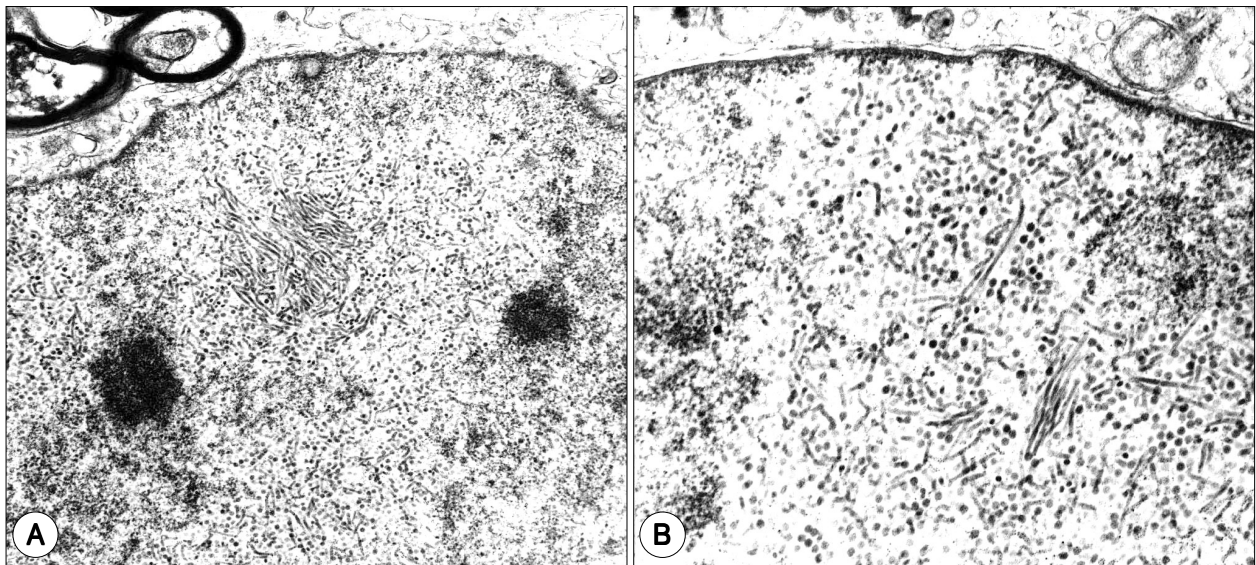


Fig. 4. Electron microscopy discloses intranuclear, elongated and round virions distributed randomly and in crystalline arrays (A : $\times 33,580$, B : $\times 76,000$).

가 6).
 70% JC
 가 , , , , ,
 JC , , 6).
 (, Ho -
 dgkins disease,)
 (, sarcoidosis)
 AIDS
 PML 5% , AIDS
 AIDS 1)6).
 PML
 T2 가
 , T1 가

T

toxoplasmosis⁵⁾
(magnetization transfer MR imaging)
가

4)
PML 1) , 2)
(hyperchromatic, enlarged oligodendroglial nuclei),
3) 가 (enlarged bizarre astro-
cyte) 2가
(reactive astrocyte)

(inclusion)
papova

6)
AIDS 가 PML 가
PCR
가 6)
JC DNA PCR
가
PCR
Giesen¹⁰⁾
PML JC DNA가
60% 40%
PML
HIV - 1 JC PCR
JC
PML JC PCR 가
subclinical acti-
vation 가 JC cap-
sid protein VP1
7)
sine arabinoside vidarabine highly active
antiretroviral therapy(HAART) 가¹⁻³⁾⁹⁾
Clifford HAART AIDS PML
25 46.4 10.6
interferonalpha, steroid , DNA
topoisomerase I (camptothecin) JC
6)

Berger¹⁾ AIDS PML
CD4 T - 가 , PML AIDS

1

결 론

PML
PCR JC
• : 2000 7 26
• : 2000 8 17
• :
120 - 752 134
: 02) 361 - 5625, : 02) 393 - 9979
E - mail : ygpark@yumc.yonsei.ac.kr

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